

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
RICHMOND, VA	RICHMOND INTL	5 DECEMBER 2019	3

**TAKEOFF MINIMUMS:**

RWY 16, 20, 34, STANDARD.

RWY 2, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1700 FT PRIOR TO DER.

**TEXTUAL DEPARTURE PROCEDURES:**

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 2**, LIGHTING 40 FT FROM DER, 115 FT LEFT OF CENTERLINE, 4 FT AGL/168 FT MSL.

LIGHTING 40 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 3 FT AGL/168 FT MSL.

SIGN, LIGHTING BEGINNING 47 FT FROM DER, 204 FT RIGHT OF CENTERLINE, UP TO 4 FT AGL/169 FT MSL.

TREE 2340 FT FROM DER, 335 FT LEFT OF CENTERLINE, 224 FT MSL.

TREE 2360 FT FROM DER, 327 FT LEFT OF CENTERLINE, 229 FT MSL.

TREES BEGINNING 2377 FT FROM DER, 316 FT LEFT OF CENTERLINE, UP TO 235 FT MSL.

TREE 2460 FT FROM DER, 813 FT RIGHT OF CENTERLINE, 232 FT MSL.

TREES BEGINNING 2483 FT FROM DER, 201 FT LEFT OF CENTERLINE, UP TO 236 FT MSL.

TREES BEGINNING 2540 FT FROM DER, 993 FT RIGHT OF CENTERLINE, UP TO 241 FT MSL.

TREE 2557 FT FROM DER, 959 FT RIGHT OF CENTERLINE, 245 FT MSL.

TREES BEGINNING 2623 FT FROM DER, 42 FT RIGHT OF CENTERLINE, UP TO 253 FT MSL.

TREES BEGINNING 2643 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 249 FT MSL.

TREES BEGINNING 2916 FT FROM DER, 17 FT RIGHT OF CENTERLINE, UP TO 259 FT MSL.

TREES BEGINNING 3051 FT FROM DER, 37 FT LEFT OF CENTERLINE, UP TO 251 FT MSL.

TREES BEGINNING 3135 FT FROM DER, 357 FT RIGHT OF CENTERLINE, UP TO 263 FT MSL.

TREES BEGINNING 3382 FT FROM DER, 462 FT RIGHT OF CENTERLINE, UP TO 270 FT MSL.

TREES BEGINNING 3385 FT FROM DER, 119 FT RIGHT OF CENTERLINE, UP TO 275 FT MSL.

TREE 3428 FT FROM DER, 368 FT LEFT OF CENTERLINE, 252 FT MSL.

TOWER 5423 FT FROM DER, 1710 FT LEFT OF CENTERLINE, 157 FT AGL/321 FT MSL.

**NOTE: RWY 16**, LIGHTING 2 FT FROM DER, 80 FT RIGHT OF CENTERLINE, 2 FT AGL/161 FT MSL.

LIGHTING 2 FT FROM DER, 80 FT LEFT OF CENTERLINE, 2 FT AGL/161 FT MSL.

TREES BEGINNING 1671 FT FROM DER, 776 FT RIGHT OF CENTERLINE, UP TO 214 FT MSL.

TREE 2873 FT FROM DER, 1218 FT LEFT OF CENTERLINE, 241 FT MSL.

**NOTE: RWY 20**, LIGHTING 3 FT FROM DER, 5 FT RIGHT OF CENTERLINE, 1 FT AGL/160 FT MSL.

LIGHTING 4 FT FROM DER, 4 FT LEFT OF CENTERLINE, 1 FT AGL/160 FT MSL.

BUILDING 724 FT FROM DER, 680 FT RIGHT OF CENTERLINE, 35 FT AGL/195 FT MSL.

BUILDING 816 FT FROM DER, 654 FT RIGHT OF CENTERLINE, UP TO 53 FT AGL/212 FT MSL.

TREE 2304 FT FROM DER, 1111 FT RIGHT OF CENTERLINE, 219 FT MSL.

TREES BEGINNING 2367 FT FROM DER, 986 FT LEFT OF CENTERLINE, UP TO 241 FT MSL.

TREES BEGINNING 2567 FT FROM DER, 724 FT RIGHT OF CENTERLINE, UP TO 253 FT MSL.

TREE 2616 FT FROM DER, 1189 FT RIGHT OF CENTERLINE, 257 FT MSL.

TREE, POLE BEGINNING 2637 FT FROM DER, 281 FT RIGHT OF CENTERLINE, UP TO 264 FT MSL.

TREES BEGINNING 3013 FT FROM DER, 1046 FT LEFT OF CENTERLINE, UP TO 251 FT MSL.

**NOTE: RWY 34**, LIGHTING BEGINNING 1 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 1 FT AGL/168 FT MSL.

TERRAIN 3 FT FROM DER, 6 FT RIGHT OF CENTERLINE, 167 FT MSL.

SIGN 40 FT FROM DER, 413 FT RIGHT OF CENTERLINE, 3 FT AGL/168 FT MSL.

POLE 1262 FT FROM DER, 732 FT LEFT OF CENTERLINE, 41 FT AGL/200 FT MSL.

TREE 2256 FT FROM DER, 1090 FT RIGHT OF CENTERLINE, 231 FT MSL.

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TREES BEGINNING 2458 FT FROM DER, 952 FT LEFT OF CENTERLINE, UP TO 240 FT MSL.  
 TREE 2602 FT FROM DER, 998 FT LEFT OF CENTERLINE, 250 FT MSL.  
 TREE 2604 FT FROM DER, 1172 FT LEFT OF CENTERLINE, 251 FT MSL.  
 TREES BEGINNING 2674 FT FROM DER, 952 FT LEFT OF CENTERLINE, UP TO 252 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 2:** 321 FT MSL TOWER 373155.55N/0771932.65W.

**REMARKS:**

**FLIGHT INSPECTED BY:**

STEPHEN BAUER

*Digitally signed by*

**WARDELL HENNING**

Sep 20, 2019

**OFFICE SYMBOL:**

FICO

**DATE:**

9/17/19

**DEVELOPED BY:**

WARDELL HENNING (STEVEN SCHUTRUM)

*Digitally signed by*

**WARDELL HENNING**

Sep 20, 2019

**OFFICE SYMBOL:**

AJV-A432

**DATE:**

06/06/2019

**APPROVED BY:**

LONNIE EVERHART

*Digitally signed by*

**WARDELL HENNING**

Sep 20, 2019

**OFFICE SYMBOL:**

AJV-A430

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

POTOMAC APP CON, RIC TOWER, ARPT MGR

**CHANGES - REASONS:**

1. REMOVED ALL REFERENCE TO RWY 7/25 - RUNWAY CONVERTED TO TAXIWAY.
2. UPDATED TAKEOFF OBSTACLE NOTES FOR ALL RUNWAYS.
3. CHANGED RWY 2 TAKEOFF MINIMUMS FROM: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1600 FT PRIOR TO DER TO: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1700 FT PRIOR TO DER - UPDATED TARGETS 5.6.0 EVALUATION.

